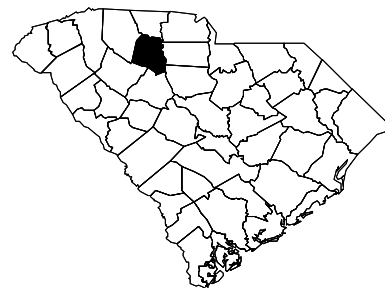


# IMPACT OF CHRONIC CONDITIONS UNION County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Union county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Union county's population is similar to the state population. The majority (36%) of the population in Union county are between the ages of 18-44, and there are more females (53%) than males (47%). Union county's minority population (33%) is similar to the state (32%). When adults in Union county were asked about their general health status, 65.8% reported having excellent, very good, or good health in 2002 (SC was 83%).

	UNION COUNTY	STATE
<b>Population size</b>	29,482	4,107,183
<b>Age distribution (%)</b>		
<18	22	24
18-44	36	40
45-64	26	24
65-84	14	11
85+	2	1
<b>Race (%)</b>		
White	67	68
Black & Other	33	32
<b>Sex (%)</b>		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

B46The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Union county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	27
Sedentary lifestyle	42	42
Overweight	59	60
High Cholesterol	6	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	26.7	.	.	.	.	28.4
Number of hospitalizations	172	84	88	57	115	5,173
Standard rate of hospitalizations (per 100,000)	493	951	328	378	566	125
Median age of hospitalized patients	63	58	68	58	63	63
Total cost of hospitalization (\$)	2,090,800	1,021,800	1,069,000	593,400	1,497,400	79,350,400
Average length of hospital stay (days)	5	5	6	5	6	5
Number of ED visits	60	34	26	16	44	7,306
Standard rate of ED visits (per 100,000)	188	376	116	122	241	175
Median age of ED patients	63	58	68	58	68	53
Total cost of ED visits (\$)	42,900	21,000	21,900	8,100	34,800	5,902,800
Number of deaths*	5	4	1	2	3	366
Standard death rate (per 100,000)*	13	49	3	13	13	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.92	.	.	.	.	5.13
Number of hospitalizations	414	97	317	189	225	30,831
Standard rate of hospitalizations (per 100,000)	1,146	1,097	1,160	1,223	1,064	734
Median age of hospitalized patients	68	63	68	63	68	68
Total cost of hospitalization (\$)	7,684,200	1,673,800	6,010,400	4,140,200	3,544,000	969,122,700
Average length of hospital stay (days)	5	5	4	5	5	5
Number of ED visits	44	9	35	12	32	2,754
Standard rate of ED visits (per 100,000)	123	104	125	82	142	66
Median age of ED patients	63	53	63	63	68	63
Total cost of ED visits (\$)	63,600	7,700	55,900	31,200	32,400	10,617,900
Number of deaths*	94	22	72	47	47	9,723
Standard death rate (per 100,000)*	262	269	262	330	197	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.55	.	.	.	.	2.38
Number of hospitalizations	177	40	137	80	97	14,317
Standard rate of hospitalizations (per 100,000)	494	462	501	562	442	351
Median age of hospitalized patients	73	70	73	73	78	73
Total cost of hospitalization (\$)	3,284,400	665,600	2,618,800	1,599,500	1,684,900	279,819,700
Average length of hospital stay (days)	7	7	7	7	7	6
Number of ED visits	45	21	24	17	28	2,732
Standard rate of ED visits (per 100,000)	129	231	88	116	140	67
Median age of ED patients	68	63	68	65	68	73
Total cost of ED visits (\$)	105,500	42,600	62,900	40,500	65,000	6,322,600
Number of deaths*	24	7	17	9	15	2,816
Standard death rate (per 100,000)*	67	79	59	67	65	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	268	41	227	105	163	14,524
Standard rate of hospitalizations (per 100,000)	783	463	911	704	888	351
Median age of hospitalized patients	58	38	63	63	58	58
Total cost of hospitalization (\$)	2,592,200	405,300	2,186,900	1,226,000	1,366,200	198,700,700
Average length of hospital stay (days)	4	4	4	5	4	5
Number of ED visits	324	156	168	133	191	37,517
Standard rate of ED visits (per 100,000)	1,097	1,659	828	974	1,226	914
Median age of ED patients	38	20	38	25	38	33
Total cost of ED visits (\$)	244,200	110,800	133,400	111,300	132,900	30,607,600
Number of deaths*	24	2	22	13	11	1,891
Standard death rate (per 100,000)*	64	26	75	90	48	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	6.11	.	.	.	.	8.33
Number of hospitalizations	103	46	57	35	68	8,652
Standard rate of hospitalizations (per 100,000)	329	496	250	237	404	207
Median age of hospitalized patients	53	53	58	58	48	53
Total cost of hospitalization (\$)	1,217,400	449,700	767,700	468,300	749,100	127,167,500
Average length of hospital stay (days)	5	4	5	5	5	6
Number of ED visits	65	30	35	31	34	9,316
Standard rate of ED visits (per 100,000)	203	327	152	206	202	224
Median age of ED patients	63	58	63	58	63	53
Total cost of ED visits (\$)	63,300	29,100	34,200	33,000	30,300	8,261,100
Number of deaths*	15	8	7	6	1	1,114
Standard death rate (per 100,000)*	45	93	28	57	5	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	258	68	190	117	141	24,644
Standard rate of hospitalizations (per 100,000)	747	763	724	764	771	591
Median age of hospitalized patients	63	53	68	68	58	58
Total cost of hospitalization (\$)	6,142,000	1,503,100	4,638,900	3,415,500	2,726,500	605,119,300
Average length of hospital stay (days)	6	5	6	7	5	6
Number of deaths*	84	20	64	45	39	8,320
Standard death rate (per 100,000)*	228	237	227	311	180	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	26	4	22	14	12	2,113
Standard rate of hospitalizations (per 100,000)	71	49	77	97	54	51
Median age of hospitalized patients	78	78	78	75	78	68
Total cost of hospitalization (\$)	1,101,800	315,200	786,600	543,300	558,500	80,248,200
Average length of hospital stay (days)	12	15	11	11	13	10
Number of deaths*	8	-	8	3	5	807
Standard death rate (per 100,000)*	23	-	30	21	23	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	4	10	.	14	1,465
Standard rate of hospitalizations (per 100,000)	39	47	36	.	71	35
Median age of hospitalized patients	65	63	68	.	65	63
Total cost of hospitalization (\$)	163,800	66,800	97,000	.	163,800	21,213,600
Average length of hospital stay (days)	3	7	2	.	3	3
Number of deaths*	11	6	5	-	11	630
Standard death rate (per 100,000)*	30	69	17	-	53	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	11	.	17	.	22	5
Median age of hospitalized patients	28	.	28	.	28	48
Total cost of hospitalization (\$)	61,500	.	61,500	.	61,500	3,668,300
Average length of hospital stay (days)	3	.	3	.	1	4
Number of deaths*	-	1	-	1	3	26
Standard death rate (per 100,000)*	-	3	-	5	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	23	2	21	15	8	2,154
Standard rate of hospitalizations (per 100,000)	62	25	74	99	39	51
Median age of hospitalized patients	68	68	68	68	68	68
Total cost of hospitalization (\$)	547,900	54,900	493,000	364,600	183,300	70,474,400
Average length of hospital stay (days)	7	5	8	8	7	9
Number of deaths*	22	4	18	15	7	2,481
Standard death rate (per 100,000)*	59	44	63	92	32	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	22	4	18	22	.	1,353
Standard rate of hospitalizations (per 100,000)	61	44	67	138	.	32
Median age of hospitalized patients	63	63	65	63	.	68
Total cost of hospitalization (\$)	429,700	63,900	365,800	429,700	.	24,726,200
Average length of hospital stay (days)	4	2	4	4	.	4
Number of deaths*	6	5	1	6	-	478
Standard death rate (per 100,000)*	16	64	3	42	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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